

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of : Thomas Goodwin et al.      §      Attorney Docket: MSC-22859-3-CU  
Prior Apln Serial No.: 09/532,001      §      Prior Examiner: Karen Lacourciere  
Prior Apln Filed: March 21, 2000      §      Prior Art Unit  
For: Production of Functional Proteins: §  
Balance of Shear Stress and Gravity §

MS Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**CERTIFICATE OF MAILING***December 11, 2003*

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Signature : \_\_\_\_\_

*James M. Cate*  
James M. Cate**PRELIMINARY AMENDMENT**

Sir:

**Amendments to the Specification** begin on page 2 of this document.**Amendments to the Claims** are reflected in the listing of claims which begins on page 3 of this paper.**Amendments to the Drawings**, There are no amendments to the drawings.**Remarks/Arguments** begin on page 5 of this paper.